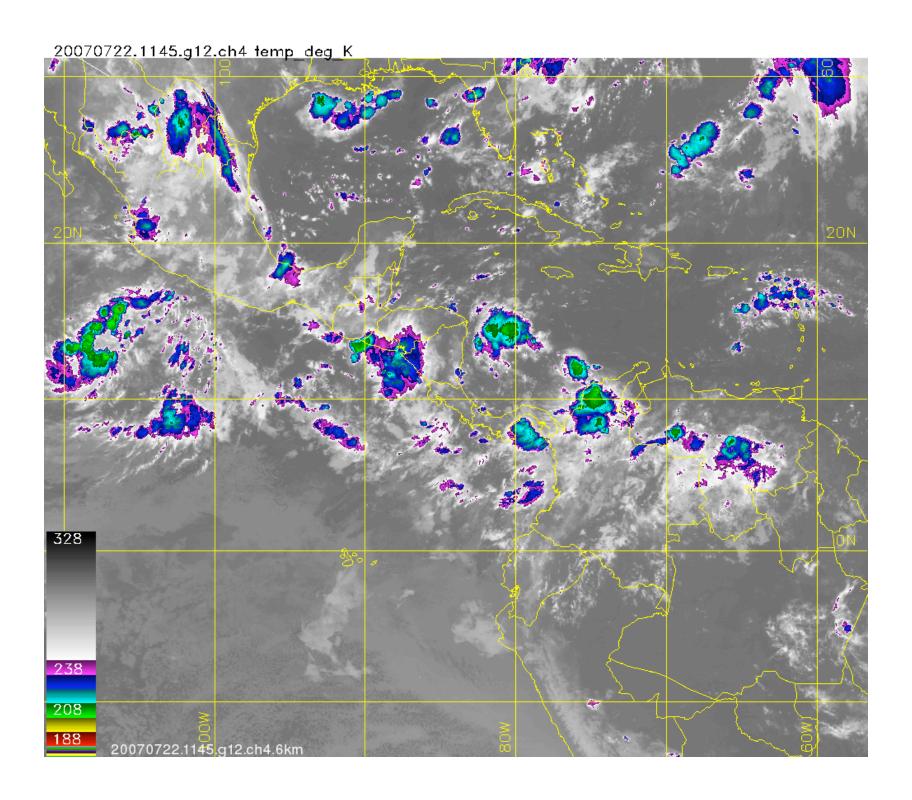
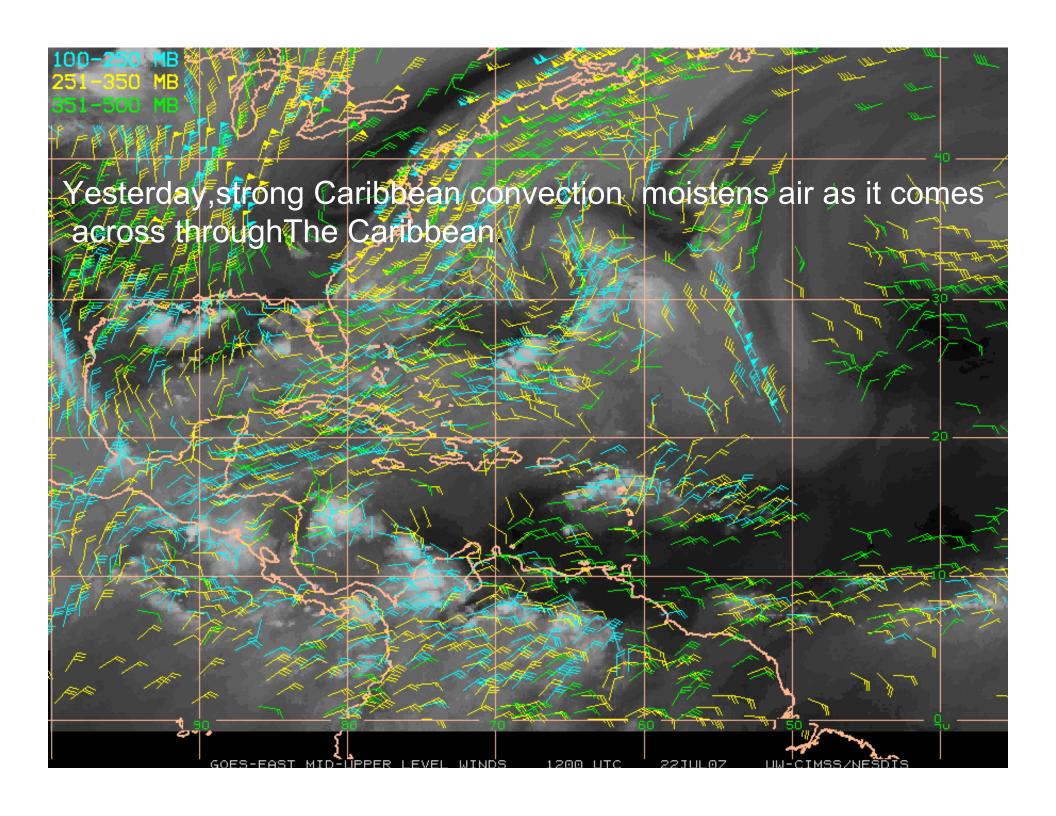
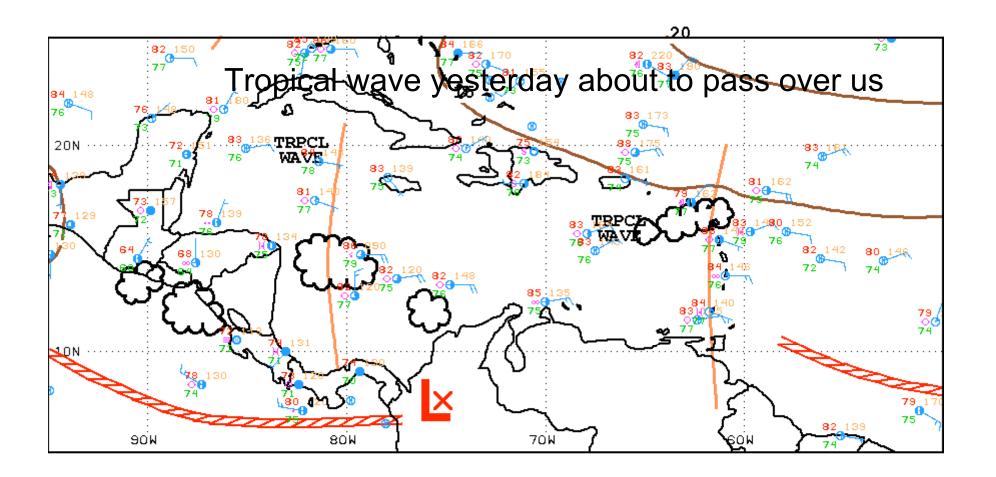
Weather Brief, 20070723

Contributions from Lenny Pfister, Erick Rivera, Karen Rosenlof, Chuck Bardeen, and Evelyn Quiros

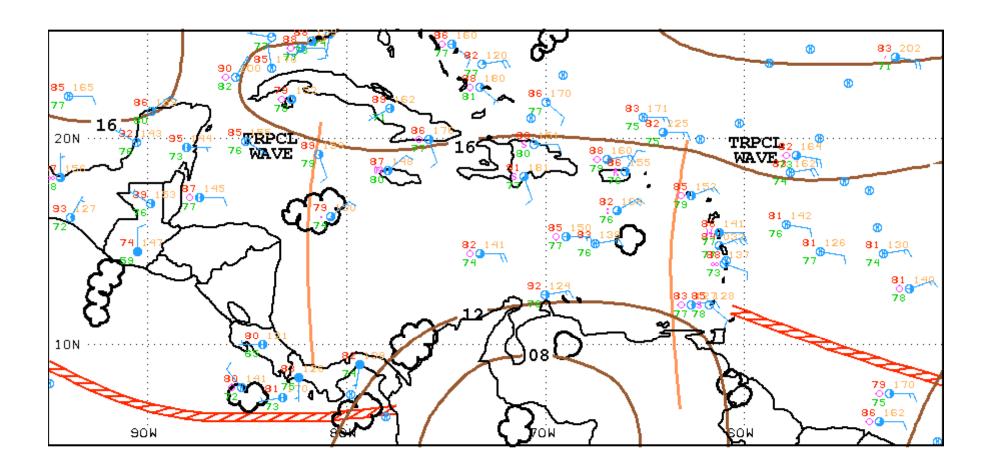






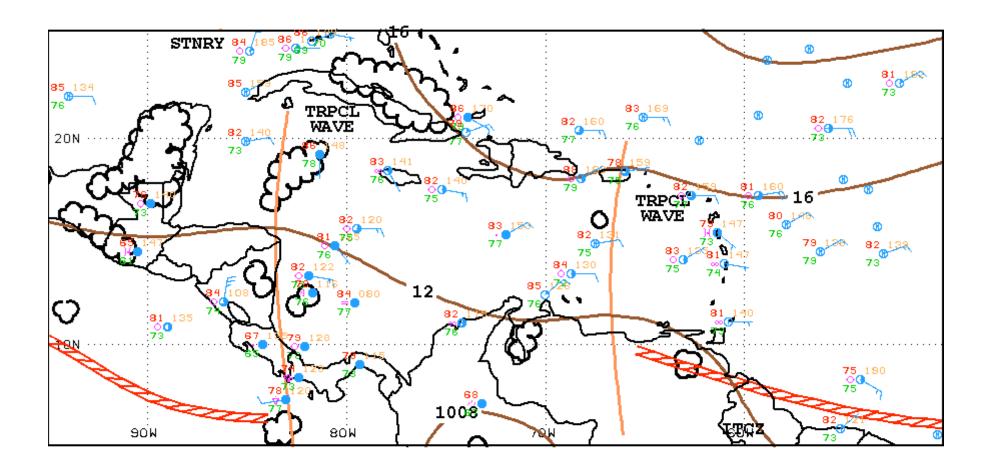


12Z CARIBBEAN SURFACE ANALYSIS ISSUED: Sun Jul 22 14:49:04 UTC 2007 THUNDERSTORMS: SCALLOP LINES TROPICAL PREDICTION CENTER
MIAMI, FLORIDA
BY TAFB ANALYST: RJW
COLLABORATING CENTERS: TPC OPC HPC



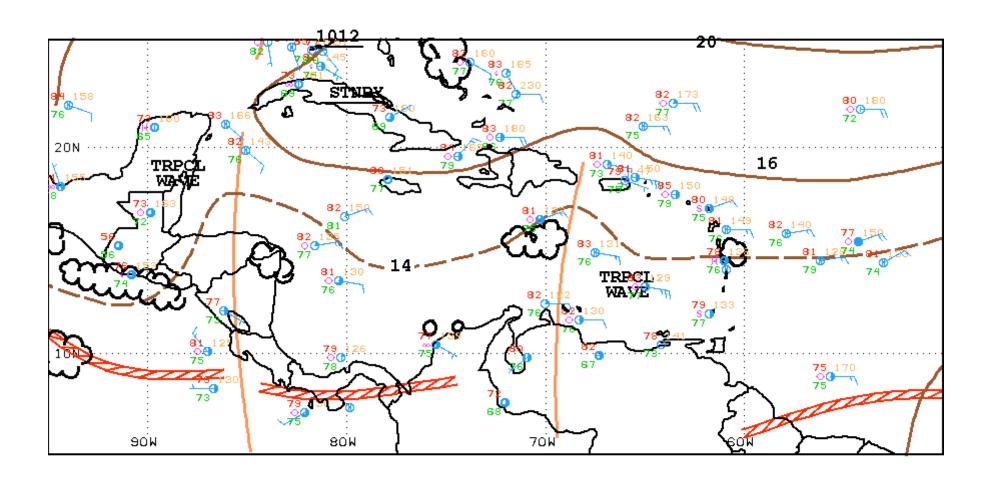


18Z CARIBBEAN SURFACE ANALYSIS ISSUED: Sun Jul 22 20:44:45 UTC 2007 THUNDERSTORMS: SCALLOP LINES TROPICAL PREDICTION CENTER
MIAMI, FLORIDA
BY TAFB ANALYST: FORMOSA
COLLABORATING CENTERS: TPC OPC HPC



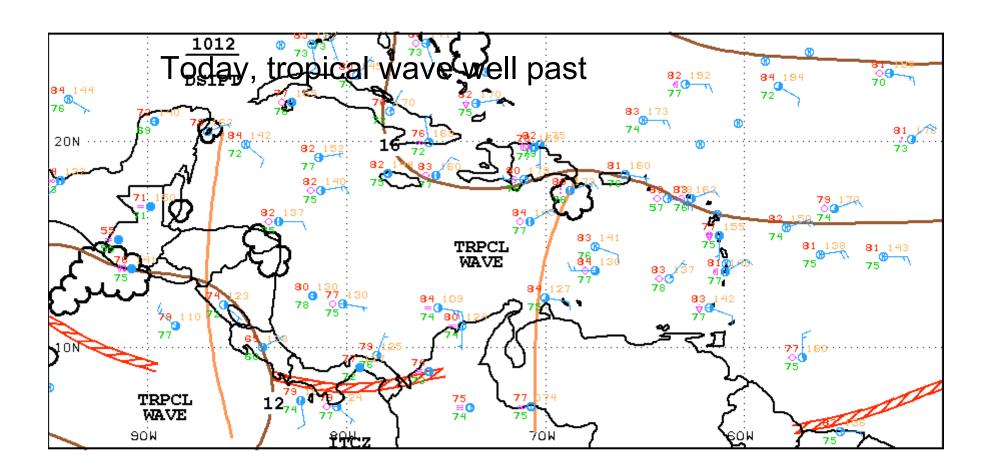


OOZ CARIBBEAN SURFACE ANALYSIS ISSUED: Mon Jul 23 02:31:37 UTC 2007 THUNDERSTORMS: SCALLOP LINES TROPICAL PREDICTION CENTER
MIAMI, FLORIDA
BY TAFB ANALYST: FORMOSA
COLLABORATING CENTERS: TPC OPC HPC



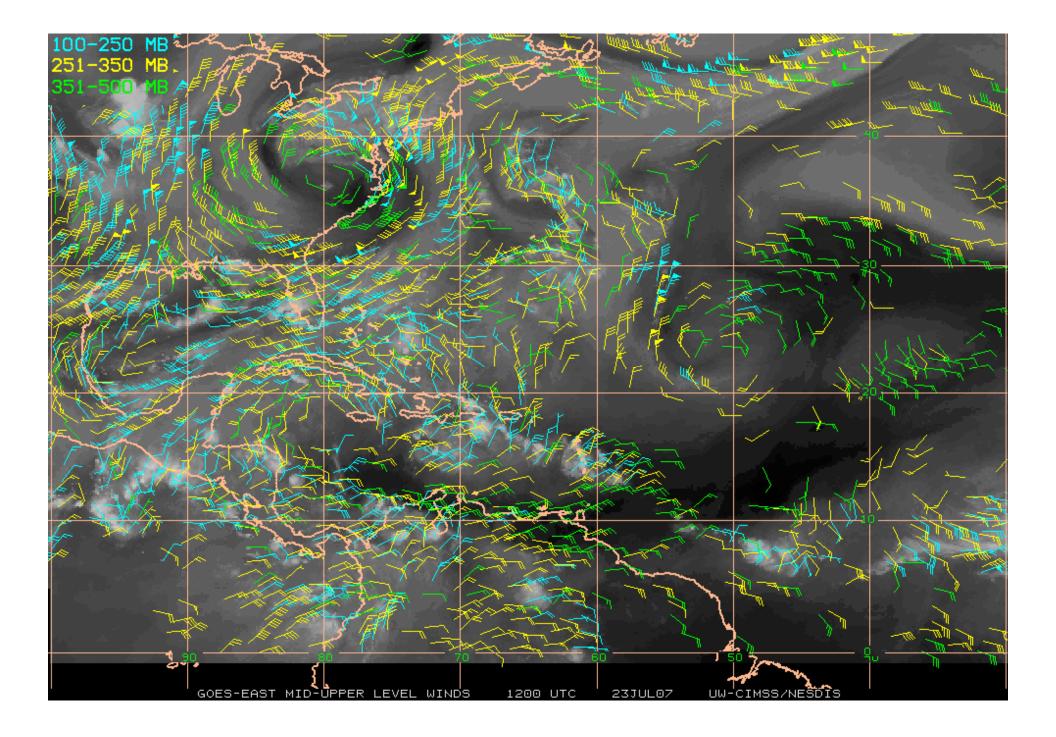


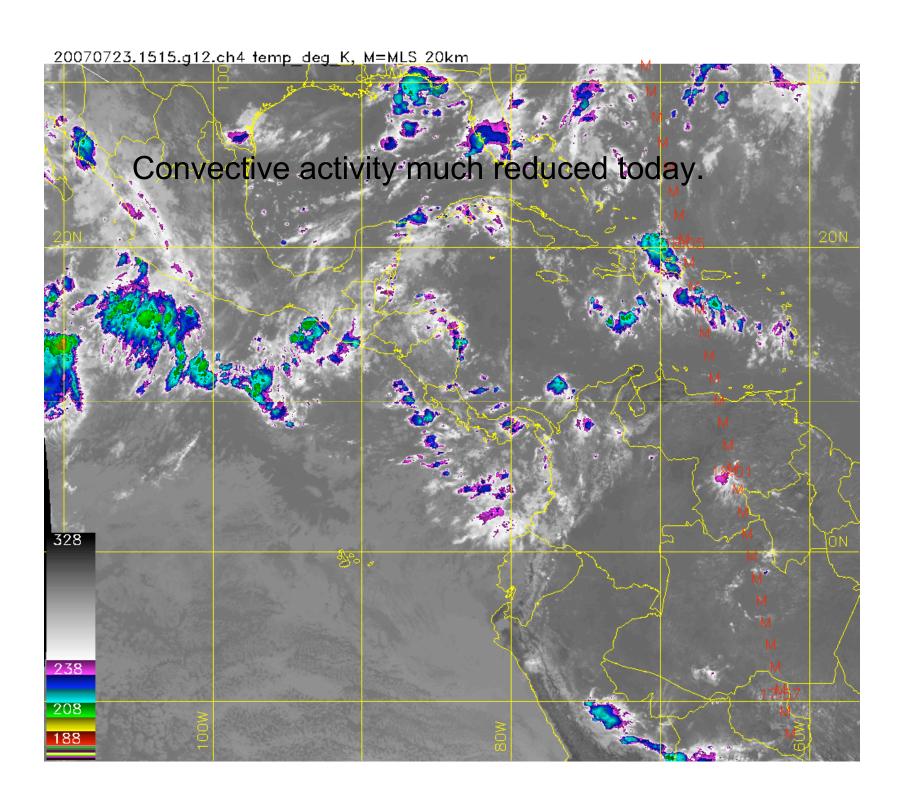
OGZ CARIBBEAN SURFACE ANALYSIS ISSUED: Mon Jul 23 08:50:53 UTC 2007 THUNDERSTORMS: SCALLOP LINES TROPICAL PREDICTION CENTER
MIAMI, FLORIDA
BY TAFB ANALYST: PAW
COLLABORATING CENTERS: TPC OPC HPC





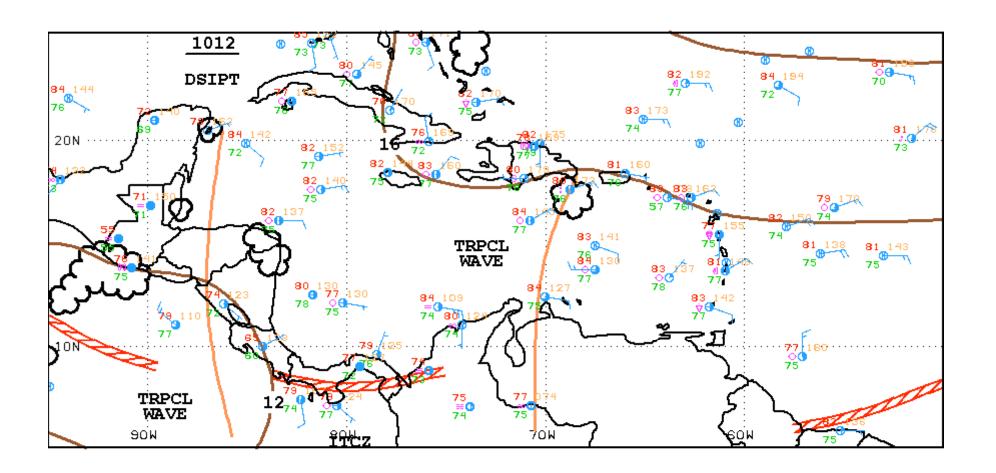
12Z CARIBBEAN SURFACE ANALYSIS ISSUED: Mon Jul 23 14:59:00 UTC 2007 THUNDERSTORMS: SCALLOP LINES TROPICAL PREDICTION CENTER
MIAMI, FLORIDA
BY TAFB ANALYST: MW
COLLABORATING CENTERS: TPC OPC HPC





Forecast questions

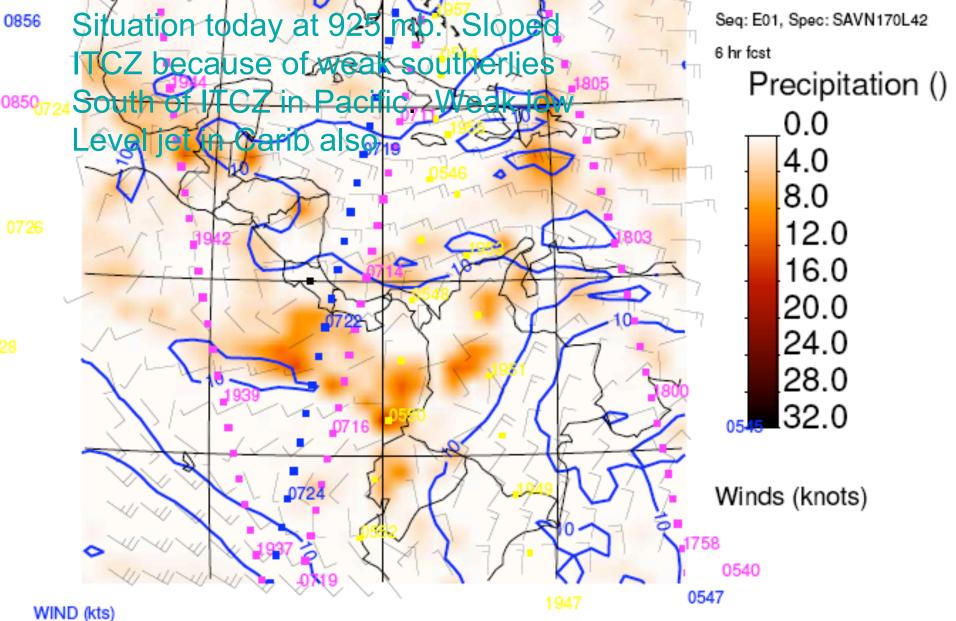
- Where will convection be Tuesday and Wednesday?
- How strong will it be?
- When will the weather at SJO deteriorate in the afternoon?

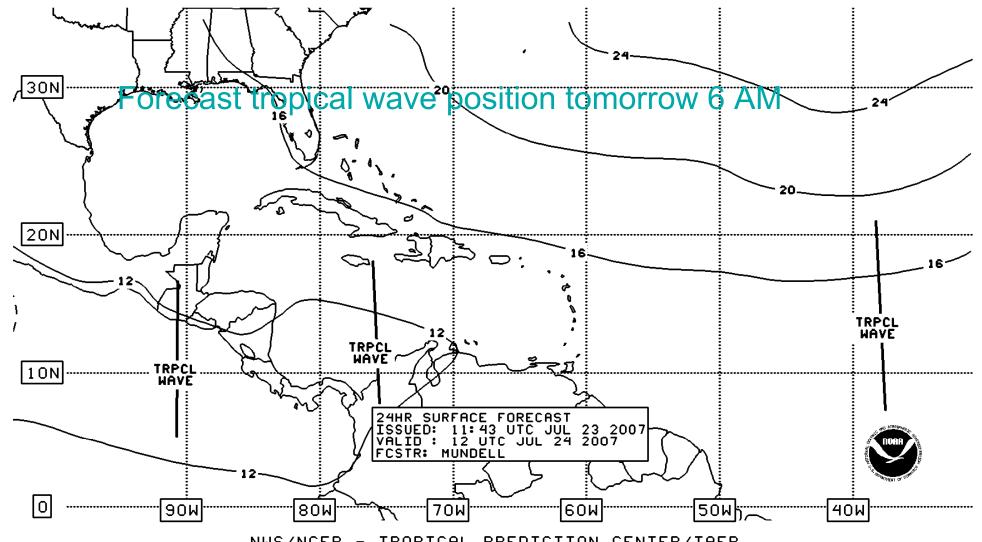




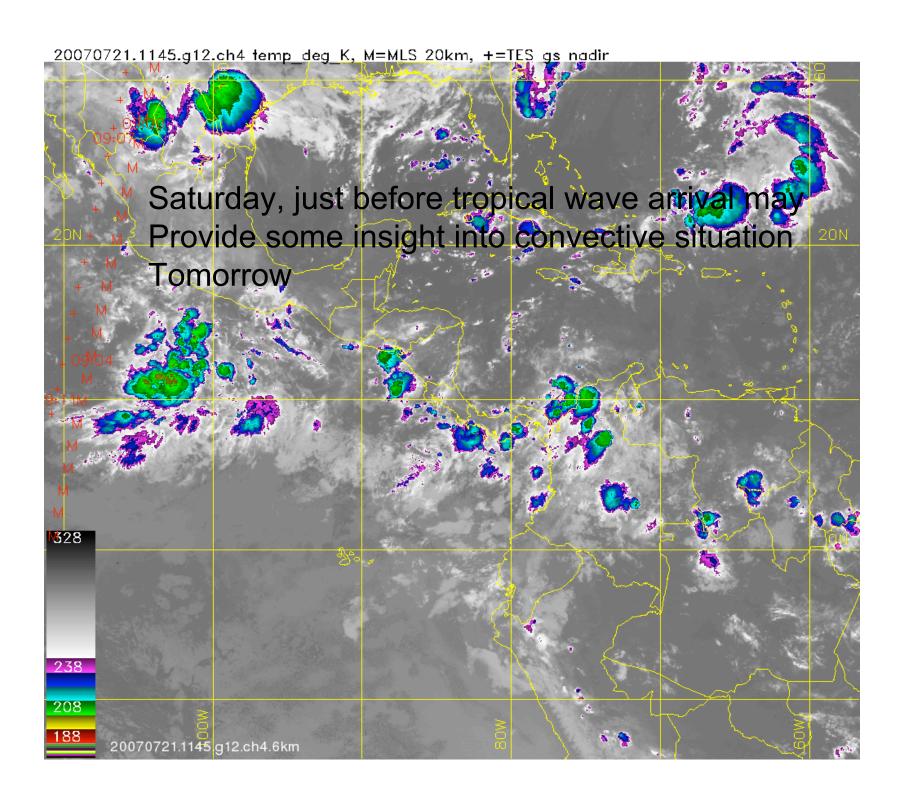
12Z CARIBBEAN SURFACE ANALYSIS ISSUED: Mon Jul 23 14:59:00 UTC 2007 THUNDERSTORMS: SCALLOP LINES TROPICAL PREDICTION CENTER
MIAMI, FLORIDA
BY TAFB ANALYST: MW
COLLABORATING CENTERS: TPC OPC HPC

12 UTC on 23 July, 2007 at 925.0 mb NMC, Grid: GG1X1 Situation today at 925 mb. Sloped 0856 Seq: E01, Spec: SAVN170L42 6 hr fcst ITCZ because of weak southerlies Precipitation () South of I/TCZ in Pacific Weak low 0850724 0.0 Level jet in Carib also 4.0 8.0 12.0 16.0 20.0 24.0 28.0 32.0 0724 Winds (knots)

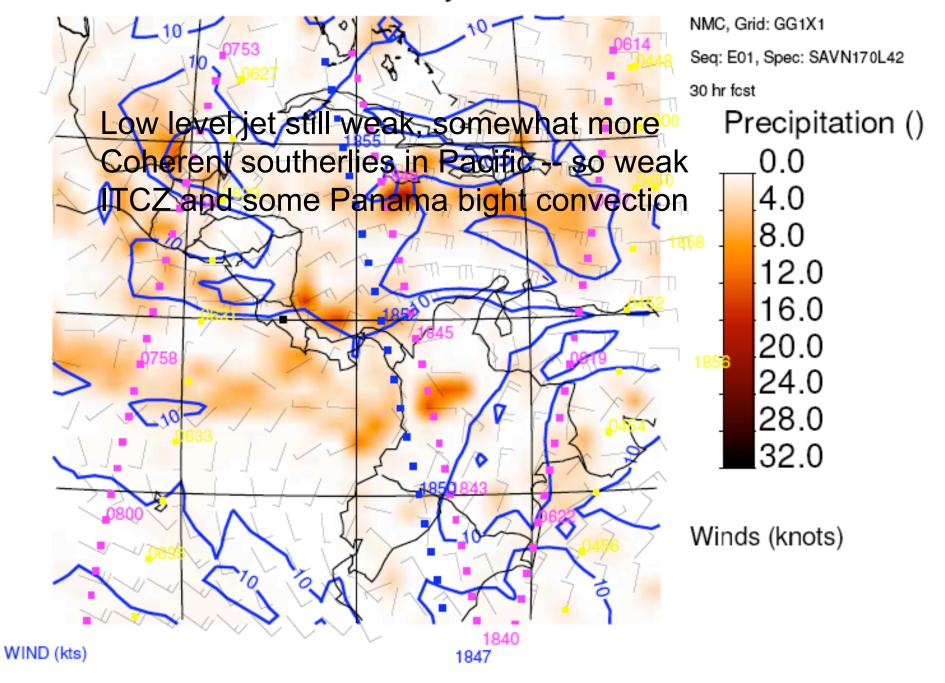


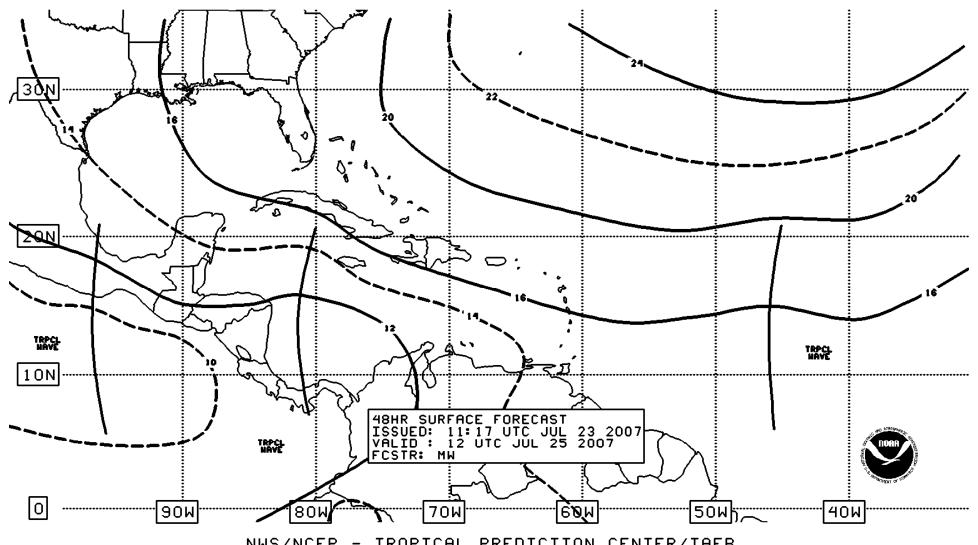


NWS/NCEP - TROPICAL PREDICTION CENTER/TAFB



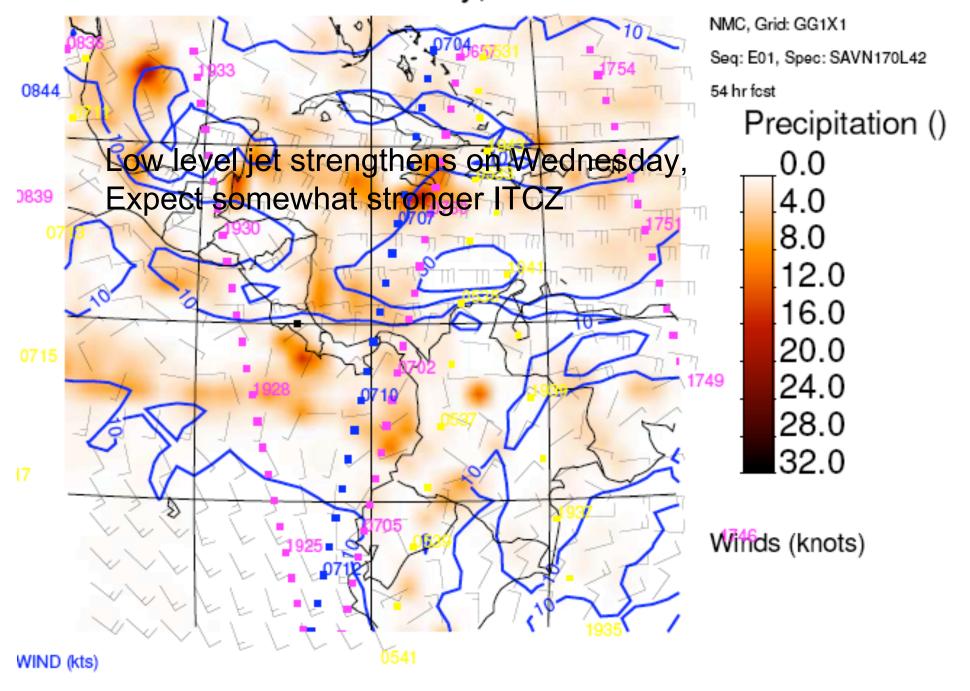
12 UTC on 24 July, 2007 at 925.0 mb



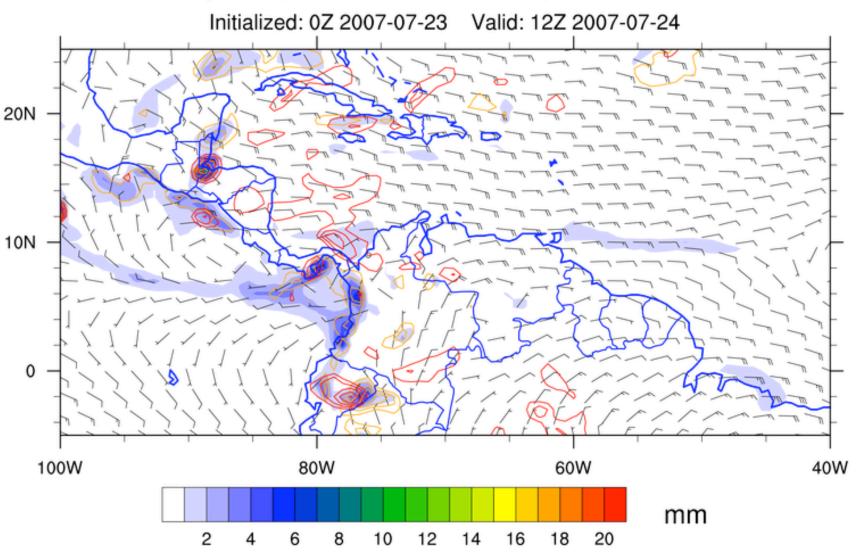


NWS/NCEP - TROPICAL PREDICTION CENTER/TAFB

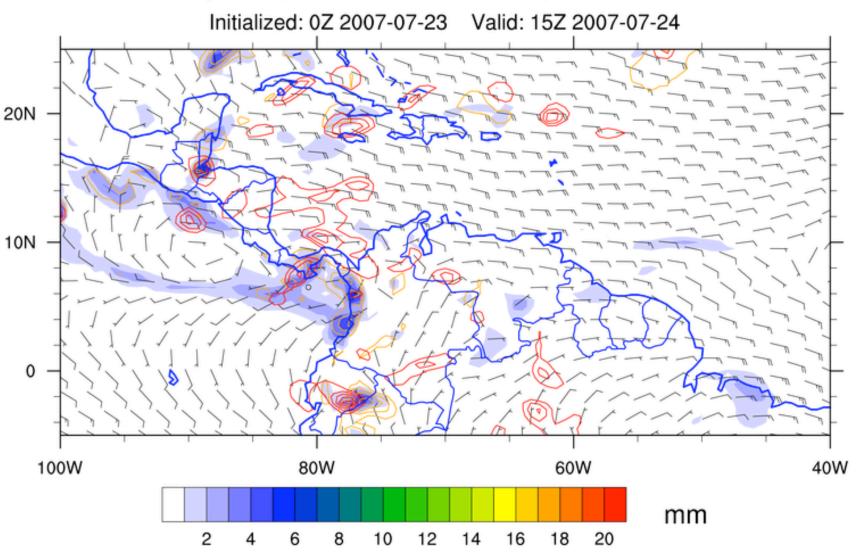
12 UTC on 25 July, 2007 at 925.0 mb



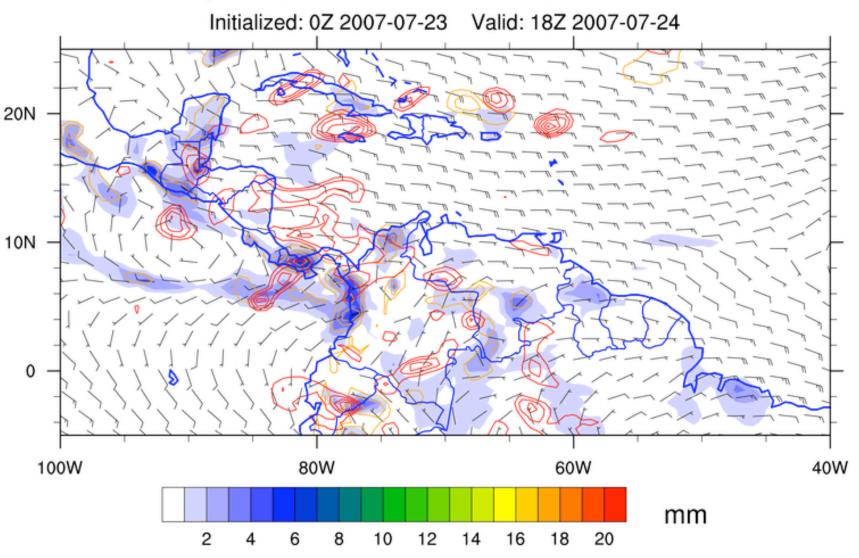
GEOS-5 Forecast Model, 0.5° x 0.666°
3 Hr Precip (mm), 925 mb Winds (knots), 200&500 mb w (cm/s)



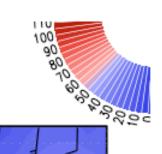
GEOS-5 Forecast Model, 0.5° x 0.666°
3 Hr Precip (mm), 925 mb Winds (knots), 200&500 mb w (cm/s)

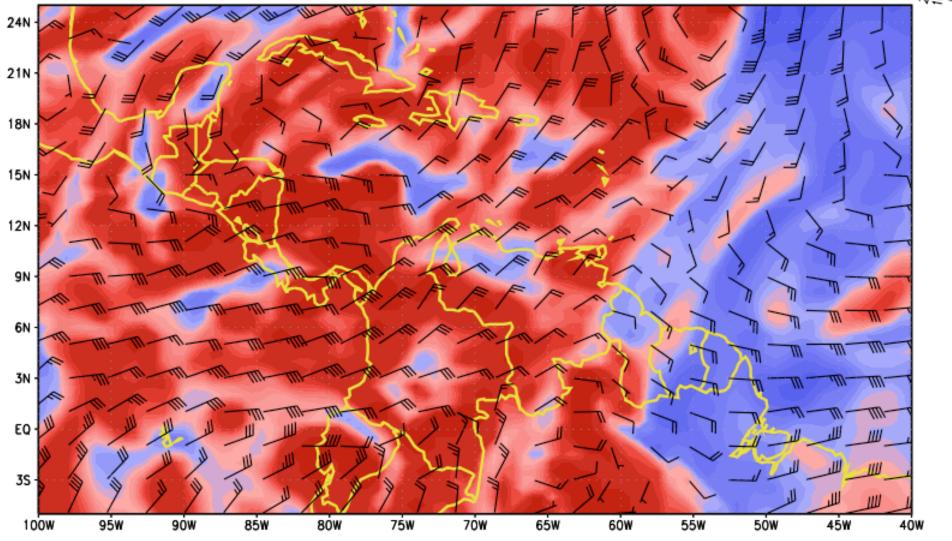


GEOS-5 Forecast Model, 0.5° x 0.666°
3 Hr Precip (mm), 925 mb Winds (knots), 200&500 mb w (cm/s)

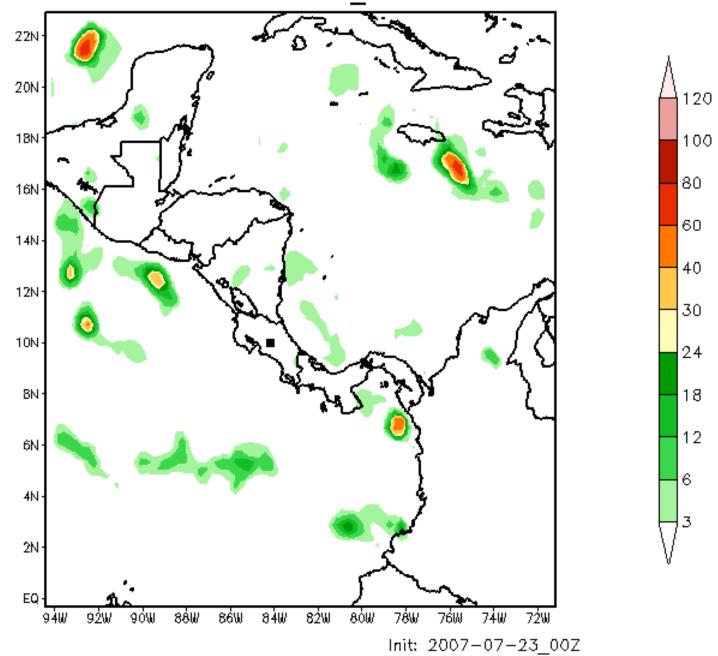


200 hPa Winds [knots] and Relative Humidity [%] Valid: Tue 15z 2007-07-24 (au= 39)

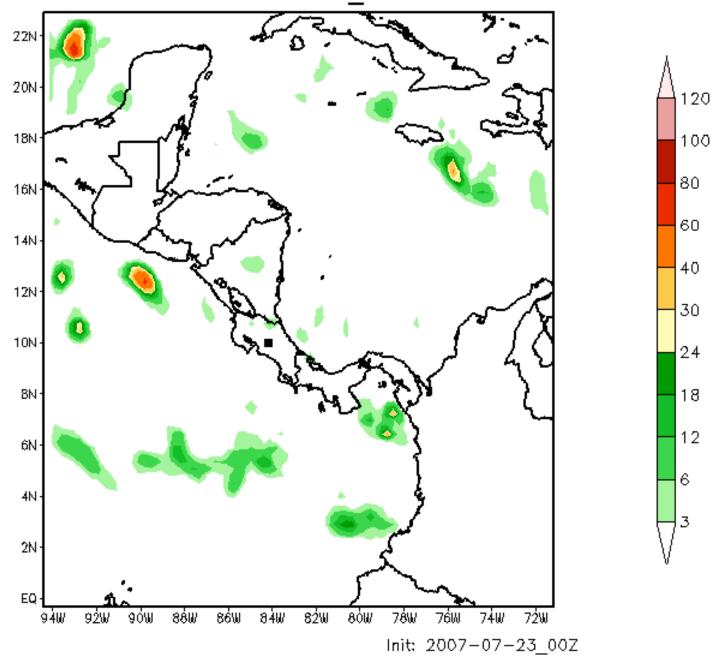




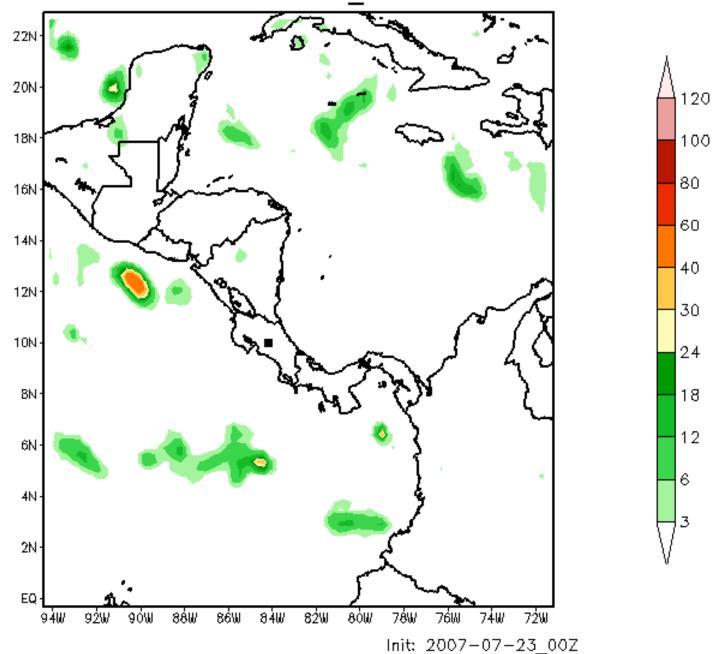
CIGEFI/UCR MM5: Precipitation in past 3 hrs (mm) 2007-07-24_12Z



CIGEFI/UCR MM5: Precipitation in past 3 hrs (mm) 2007-07-24_15Z



CIGEFI/UCR MM5: Precipitation in past 3 hrs (mm) 2007-07-24_18Z

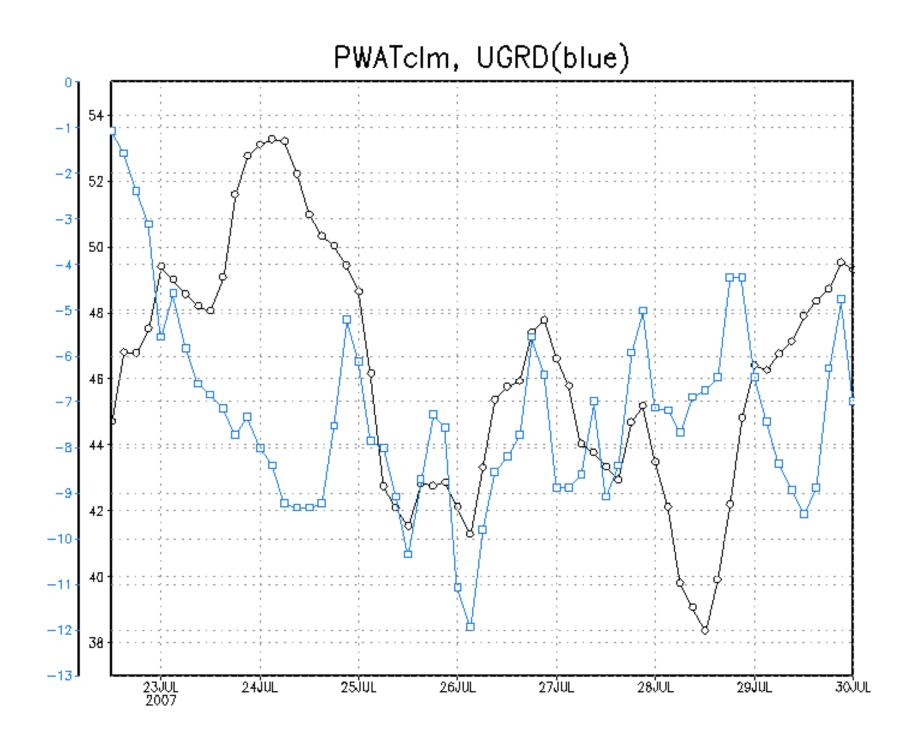


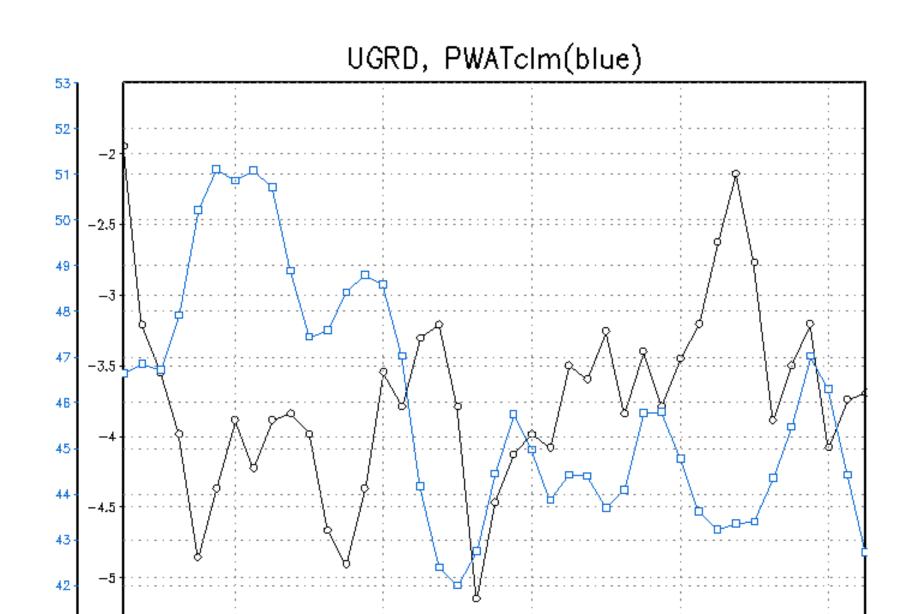
Summary of convective forecast

- Tomorrow -- relatively weak Pacific ITCZ but reforming from weakness yesterday and today. Some bight convection, perhaps like Saturday. Caribbean relatively inactive
- Wednesday -- better day for the bight based on easterly wave position. More activity in the Caribbean.

Surface Weather Conditions

- Today have early wind shift. Somewhat drier conditions aloft mean earlier than normal rain, but not as copious
- Tomorrow -- easterlies increase (but not as much as forecast) -- some rains starting around 2 PM
- Wednesday -- less active day -- similar easterly winds but drier aloft. Rains starting no earlier than 2 PM (all we can really say at this point





25JUL

26JUL

27JUL

28JUL

41

-5.5

24JUL 2007